RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: _10/528,673_
Source: _PCT/10_
Date Processed by STIC: _4/1/05_

ENTERED

PCT

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   3 <110> APPLICANT: Hoshino, Tatsuo
   4         Shinjoh, Masako
   6 <120> TITLE OF INVENTION: Process For Producing L-Abscorbic Acid
   8 <130> FILE REFERENCE: C038435/0185656
C--> 10 <140> CURRENT APPLICATION NUMBER: US/10/528,673
C--> 10 <141> CURRENT FILING DATE: 2005-03-23
  10 <160> NUMBER OF SEQ ID NOS: 2
  12 <170> SOFTWARE: PatentIn version 3.3
  14 <210> SEQ ID NO: 1
  15 <211> LENGTH: 1740
  16 <212> TYPE: DNA
  17 <213> ORGANISM: Gluconobacter oxydans
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  26 gccgacaacg ttggtcagtt gcaactggtc tgggcccgcg ggatggaggc ggggccgta     240
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RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/528,673

DATE: 04/01/2005
TIME: 10:52:31

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Output Set: N:\CRF4\04012005\J528673.raw

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94  Leu Ala Asn Pro Pro Ala Gly Glu Trp Ile Asn Tyr Gly Arg Asn Gln
95              35                  40                  45
98  Glu Asn Tyr Arg His Ser Pro Leu Thr Gln Ile Thr Ala Asp Asn Val
99      50                  55                  60
102 Gly Gln Leu Gln Leu Val Trp Ala Arg Gly Met Glu Ala Gly Ala Val
103 65                  70                  75                  80
106 Gln Val Thr Pro Met Ile His Asp Gly Val Met Tyr Leu Ala Asn Pro
107                 85                  90                  95
110 Gly Asp Val Ile Gln Ala Leu Asp Ala Gln Thr Gly Asp Leu Ile Trp
111                 100                 105                 110
114 Glu His Arg Arg Gln Leu Pro Ala Val Ala Thr Leu Asn Ala Gln Gly
115             115                 120                 125
118 Asp Arg Lys Arg Gly Val Ala Leu Tyr Gly Thr Ser Leu Tyr Phe Ser
119     130                 135                 140
122 Ser Trp Asp Asn His Leu Ile Ala Leu Asp Met Glu Thr Gly Gln Val
123 145                 150                 155                 160
126 Val Phe Asp Val Glu Arg Gly Ser Gly Glu Asp Gly Leu Thr Ser Asn
127                 165                 170                 175
130 Thr Thr Gly Pro Ile Val Ala Asn Gly Val Ile Val Ala Gly Ser Thr
131             180                 185                 190
134 Cys Gln Tyr Ser Pro Tyr Gly Cys Phe Ile Ser Gly His Asp Ser Ala
135         195                 200                 205
138 Thr Gly Glu Glu Leu Trp Arg Asn His Phe Ile Pro Gln Pro Gly Glu
139     210                 215                 220
142 Glu Gly Asp Glu Thr Trp Gly Asn Asp Phe Glu Ala Arg Trp Met Thr
143 225                 230                 235                 240
146 Gly Val Trp Gly Gln Ile Thr Tyr Asp Pro Val Thr Asn Leu Val Phe
147             245                 250                 255
150 Tyr Gly Ser Thr Gly Val Gly Pro Ala Ser Glu Thr Gln Arg Gly Thr
151             260                 265                 270
154 Pro Gly Gly Thr Leu Tyr Gly Thr Asn Thr Arg Phe Ala Val Arg Pro
155         275                 280                 285
158 Asp Thr Gly Glu Ile Val Trp Arg His Gln Thr Leu Pro Arg Asp Asn
159     290                 295                 300
162 Trp Asp Gln Glu Cys Thr Phe Glu Met Met Val Ala Asn Val Asp Val
163 305                 310                 315                 320
166 Gln Pro Ser Ala Glu Met Glu Gly Leu Arg Ala Ile Asn Pro Asn Ala
167                 325                 330                 335
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171             340                 345                 350
174 Thr Met Trp Ser Phe Asp Ala Ala Ser Gly Glu Phe Leu Trp Ala Arg
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PATENT APPLICATION: US/10/528,673   TIME: 10:52:31

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Output Set: N:\CRF4\04012005\J528673.raw

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182 Val Thr Val Asn Glu Asp Ala Val Leu Lys Glu Leu Asp Val Glu Tyr
183 385                 390                 395                 400
186 Asp Val Cys Pro Thr Phe Leu Gly Gly Arg Asp Trp Ser Ser Ala Ala
187                 405                 410                 415
190 Leu Asn Pro Asp Thr Gly Ile Tyr Phe Leu Pro Leu Asn Asn Ala Cys
191                 420                 425                 430
194 Tyr Asp Ile Met Ala Val Asp Gln Glu Phe Ser Ala Leu Asp Val Tyr
195             435                 440                 445
198 Asn Thr Ser Ala Thr Ala Lys Leu Ala Pro Gly Phe Glu Asn Met Gly
199     450                 455                 460
202 Arg Ile Asp Ala Ile Asp Ile Ser Thr Gly Arg Thr Leu Trp Ser Ala
203 465                 470                 475                 480
206 Glu Arg Pro Ala Ala Asn Tyr Ser Pro Val Leu Ser Thr Ala Gly Gly
207                 485                 490                 495
210 Val Val Phe Asn Gly Gly Thr Asp Arg Tyr Phe Arg Ala Leu Ser Gln
211             500                 505                 510
214 Glu Thr Gly Glu Thr Leu Trp Gln Ala Arg Leu Ala Thr Val Ala Thr
215     515                 520                 525
218 Gly Gln Ala Ile Ser Tyr Glu Leu Asp Gly Val Gln Tyr Ile Ala Ile
219     530                 535                 540
222 Gly Ala Gly Gly Leu Thr Tyr Gly Thr Gln Leu Asn Ala Pro Leu Ala
223 545                 550                 555                 560
226 Glu Ala Ile Asp Ser Thr Ser Val Gly Asn Ala Ile Tyr Val Phe Ala
227                 565                 570                 575
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VERIFICATION SUMMARY
PATENT APPLICATION: US/10/528,673

DATE: 04/01/2005
TIME: 10:52:32

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L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date